

## The Commonwealth of Massachusetts

Executive Office of Health and Human Services

Department of Public Health William A. Hinton State Laboratory Institute 305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

01/06/2012

Josh Launer Assistant District Attorney, Middlesex County

Dear ADA Launer,

Enclosed is the information you requested in regards to Commonwealth vs. Included are copies of the following:

- 1. Curriculum Vitae for Annie Dookhan, Stacey Feiden-Desjardin and Della Saunders.
- 2. Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples #

4. Analysis sheets with custodial chemist's hand notations and test results.

5. GC/Mass Spectral analytical data for samples #

Annie Dookhan and Stacey Feiden-Desjardin were the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan and Della Saunders analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Annie Dookhan

Chemist

Sincerely

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6622

### Annie Khan (Dookhan)

#### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 - present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- \*Maintenance and repairs of all analytical instruments.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Notary Public.

2001 - 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

#### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Stacey Lyn Desjardins

stacey.feiden@state.ma.us

**EDUCATION** 

Master of Science-Forensic Science

University of New Haven; West Haven, Connecticut

May 2006

Concentration: Criminalistics

· Certificate: Advanced Investigation

Bachelor of Arts—Chemistry

Monmouth College; Monmouth, Illinois

May 2004

· Graduated Cum Laude

**EXPERIENCE** 

#### Chemist I

Massachusetts Department of Public Health; Jamaica Plain, Massachusetts March 2009-present

- Analyze unknown substances submitted by Massachusetts Law Enforcement Agencies
- Operate, maintain, and interpret data from analytical equipment (Gas Chromatograph, analytical balance, microscope, Ultraviolet Spectrometer, Infrared Spectrometer)
- Provide expert testimony to local, state, and federal courts in Massachusetts

### Teaching/Graduate Assistant

Monmouth College Chemistry Department

University of New Haven Forensic Science Department

January 2001-May 2006

- · Supervised labs and answered student questions
- · Performed demonstrations using forensic techniques and chemicals

### Additional work experience and references available upon request

TRAINING

2010: DEA Forensic Chemist Seminar—Washington DC

2009: Multijurisdictional Counterdrug Task Force Training on Current Drug

Trends

2009: Six week training with Senior Staff at the Massachusetts Department of

Public Health Drug Analysis Laboratory—appointed Assistant Analyst

2005: Internship with the New Hampshire State Crime Lab

COURSEWORK

and III, Biochemistry, Advanced Inorganic Chemistry

### Curriculum Vitae

#### **Della Saunders**

#### Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

### Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

## Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

## PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION



# The Commonwealth of Massachusetts

## **Executive Office of Health and Human Services**

Boston Drug Laboratory Tel (617) 983-6622 Fax (617) 983-6625 Department of Public Health State Laboratory Institute

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

Boston Hours 8:00 - 11:00 2:00 - 4:00

City or Department:

Name and Rank of Submitting Officer:

DRUG RECEIPT

Amherst Hours 9:00 - 12:00 1:00 - 4:00

Pefendant(s) Name (last, first, initial)		
	To be completed by	y Lab Personnel
escription of Samples	Gross Weight	Lab Number
baggie of white pouder (Cocaine)		
	72010	
(Cocame)	4.20 m	
		And the second s
🏓 - Carlos de C		
		and the second s
	·	
	·	
1		
		79 KC
eceived by: Date:	<i></i>	Folk_OIG_PRR

## PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION



## The Commonwealth of Massachusetts

## **Executive Office of Health and Human Services**

Boston Drug Laboratory Tel (617) 983-6622 Fax (617) 983-6625 Department of Public Health State Laboratory Institute

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

Boston Hours 8:00 - 11:00 2:00 - 4:00

DRUG RECEIPT

Amherst Hours 9:00 - 12:00 1:00 - 4:00

Folk\_OIG\_PRR\_029454

City or Department: KCadaMy Police	e Reference No
Name and Rank of Submitting Officer:	Sounders
Defendant(s) Name (last, first, initial)	
	To be completed by Lab Personnel
Description of Samples	Gross Weight Lab Number
Baggie ap white substance (Cocaine)	
( )	4.318m
(Cocamo	1.3781
$\Lambda$	5.29.75
Received by: Date:	5.29.115

## PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION



## The Commonwealth of Massachusetts

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**Boston Drug** Laboratory Tel (617) 983-6622 Fax (617) 983-6625 **Department of Public Health State Laboratory Institute** 

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

**Boston Hours** 

Received by:

**Amherst Hours** 

Folk\_OIG\_PRR\_029455

8:00 - 11:00 2:00 - 4:00	DRUG RECE	IPT	9:00 - 12:00 1:00 - 4:00
City or Department:	Reading Police	Reference No.:	rders
Defendant(s) Name (last. f	irst. initial)		,
		To be completed by i	Lab Personnel
Description of Samples		Gross Weight	Lab Number
Baggie	of White powder	10,35g	

Date:

-1

Date Analyzed: 6 1-2 8-10 No. City: Reading Police Dept. Officer: Detective MICHAEL SAUNDERS Def: Subst: SUB Amount: Cont: pb No. Cont: No. Analyzed: Date Rec'd: 05/29/2009 Net Weight: 0.510 4.20 V Gross Wt.: 2950 cocarrie Prelim: (OCCINE Findings:

No. Date Analyzed:
City: Reading Police Dept.

Officer: Detective MICHAEL SAUNDERS
Def:
Amount: Subst: SUB
No. Cont: 1 Cont: pb

Date Rec'd: 05/29/2009
Ross Wt.: 4.31

Net Weight: O. LOOG

Prelim: COCCIME Findings: Cocarie

2000

No.

Date Analyzed: FEB 0 4 2010

City: Reading Police Dept.

Officer: Detective MICHAEL SAUNDERS

Def:

Amount:

4

Subst: SUB

No. Cont:

Cont: pb

Date Rec'd: 06/12/2009

Gross Wt.: 10.35

No. Analyzed:

Net Weight: O. SI

#Tests: 600

Prelim: Cocause

Findings:

# AGENCY REACTION ANALYST DL SAMPLE# No. of samples tested: Evidence Wt. PHYSICAL DESCRIPTION: SIGNED & SCOLED Gross Wt ( powdery substance Gross Wt ( ): **PRELIMINARY TESTS Spot Tests** Microcrystalline Tests Cobalt Gold **(F)** Chloride Thiocyanate ( ) Marquis TLTA ( Froehde's OTHER TESTS Mecke's **PRELIMINARY TEST RESULTS** GC/MS CONFIRMATORY TEST RESULTS COCCINC RESULTS COCAINC DATE 1-23-10 MS OPERATOR AS DATE 1-28-10

DRUG POWDER ANALYSIS FORM

SAMPLE # No. of samples tested:	AGENCY REACTIONS ANALYST SLF Evidence Wt.	
PHYSICAL DESCRIPTION: -SIC - white powder in pb taped c	Substance Gross Wt ( ): 0.9318	9,12
PRELIMINARY TESTS Spot Tosts	Migrogovetalling Toots	
Spot Tests  Cobalt	Gold Chloride	
Thiocyanate ( )	TLTA ( )	
Froehde's	OTHER TESTS	•
Mecke's		
PRELIMINARY TEST RESULTS	GC/MS CONFIRMATORY TEST	
RESULTS (OCOINC	RESULTS COCCINC	
DATE 1-23-10	OPERATOR ASD  DATE 1-28-10	

DRUG POWDER ANALYSIS FORM

## DRUG POWDER ANALYSIS FORM

SAMPLE#	AGENCY Roades	ANALYST	A20
No. of samples tested:		Evidence Wt.	
PHYSICAL DESCRIPTION:		Gross Wt():	0.7852
white power	lore O substance	gross Wt ( ):	
	dore O substance	Pkg. Wt:	
			0.5155
		·	
		•	
			•
PRELIMINARY TESTS			
Spot Tests		Microcrystalline Tes	<u>its</u>
Cobalt This connects ( )		Gold	
Thiocyanate (+)	_	Chloride +	was
Marquis \ \ \ \	· ·	TLTA (+)	***
Froehde's	<u></u>	OTHER TESTS	
Mecke's	-		
·			
	·		**************************************
PRELIMINARY TEST RESULTS	<u> </u>	SC/MS CONFIRMATORY	TEST
RESULTS Coccura	_ R	ESULTS Coce	iie
DATE 1-28-10		MS	
	OPE	ERATOR DCS	
		DATE 2-L	1-10

Revised 7/2005

File Name : F:\Q1-2010\SYSTEM4\01 26 10\693425.D

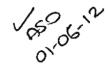
Operator : ASD

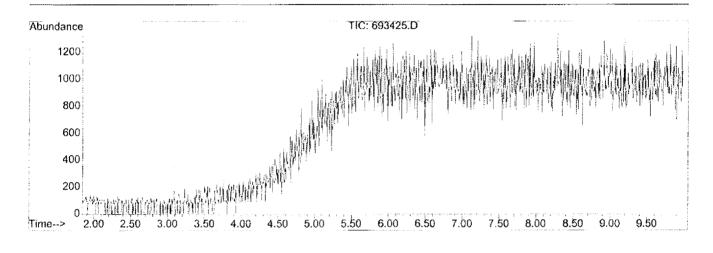
Date Acquired : 26 Jan 2010 17:46

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE





Ret. Time Area Area % Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693426.D

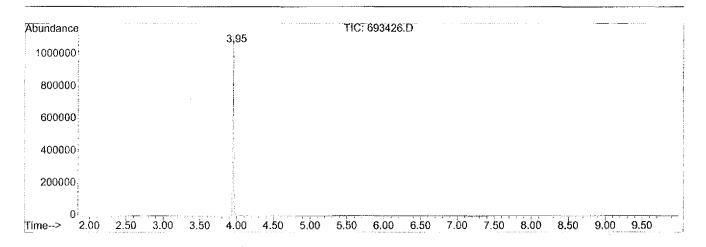
Operator : ASD

Date Acquired : 26 Jan 2010 18:00

Sample Name : COCAINE STD

Submitted by

Vial Number : 5 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.950	1041163	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693426.D

Operator : ASD

Date Acquired : 26 Jan 2010 18:00

Sample Name : COCAINE STD

Submitted by :

Vial Number : 5 AcquisitionMeth: DRUGS Integrator : RTE

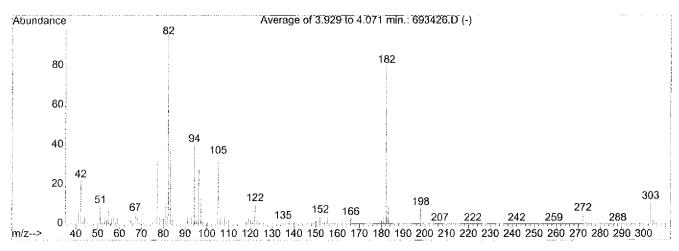
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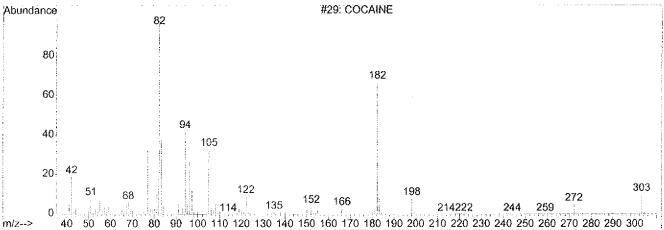
C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual







693426.D

Thu Jan 05 08:58:59 2012

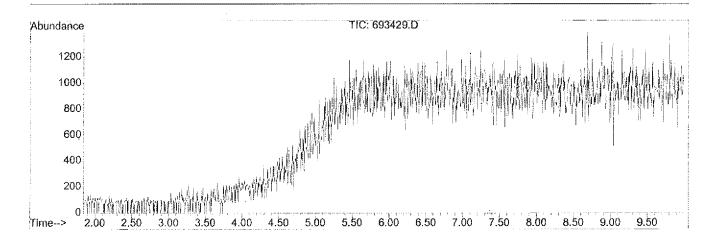
Page 2

File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693429.D

Operator : ASD

Date Acquired : 26 Jan 2010 18:41

Sample Name : BLANK Submitted by : SLF Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

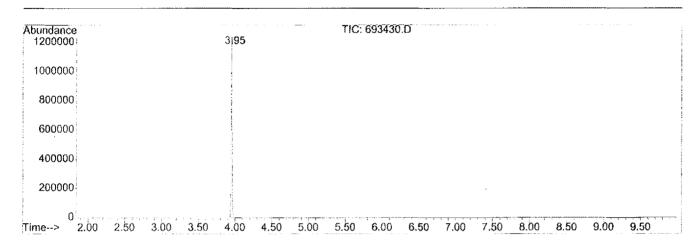
File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693430.D

Operator : ASD

Date Acquired : 26 Jan 2010 18:55

Sample Name :

Submitted by : SLF Vial Number : 30 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.953	1188182	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693430.D

Operator : ASD

Date Acquired : 26 Jan 2010 18:55

Sample Name :

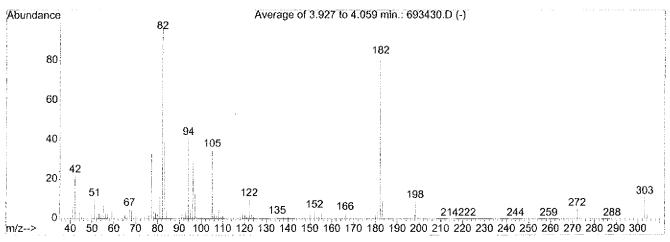
Submitted by : SLF Vial Number : 30 AcquisitionMeth: DRUGS Integrator : RTE

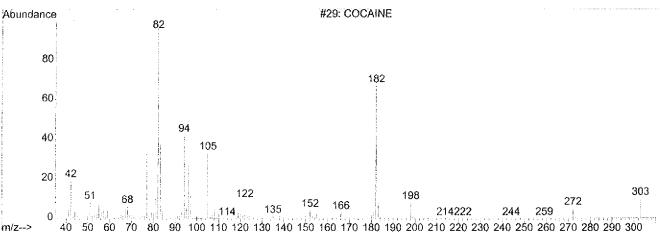
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.95	C:\DATABASE\SLI.L COCAINE	000050-36-2	99





693430.D

Thu Jan 05 08:59:16 2012

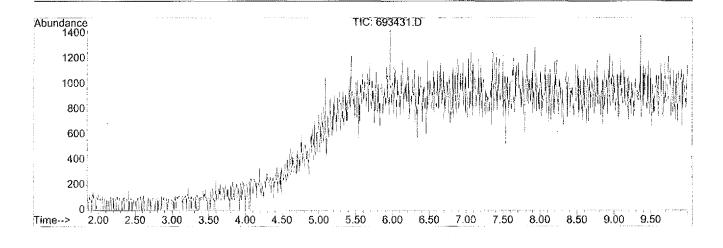
Page 2

File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693431.D

Operator : ASD

Date Acquired : 26 Jan 2010 19:08

Sample Name : BLANK
Submitted by : SLF
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time Area Area % Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

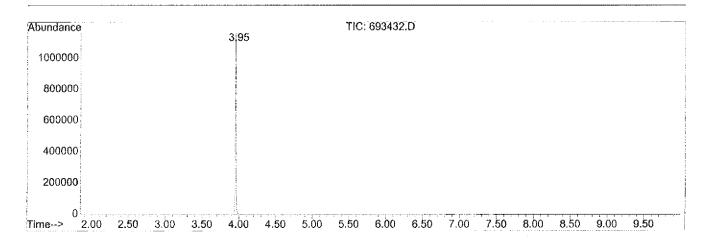
File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693432.D

Operator : ASD

Date Acquired : 26 Jan 2010 19:22

Sample Name :

Submitted by : SLF Vial Number : 32 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.949	1000307	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 26 10\693432.D

Operator : ASD

Date Acquired : 26 Jan 2010 19:22

Sample Name :

Submitted by : SLF Vial Number : 32 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

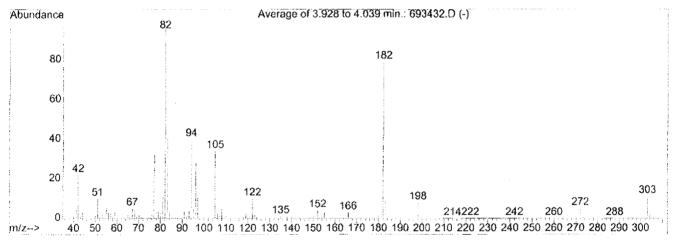
C:\DATABASE\SLI.L Minimum Quality: 90

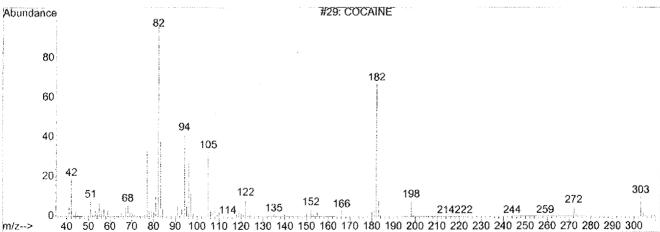
C:\DATABASE\PMW\_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.95	C:\DATABASE\SLI.L COCAINE	000050-36-2	99





693432.D

Thu Jan 05 08:59:23 2012

Page 2

### Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693448.D

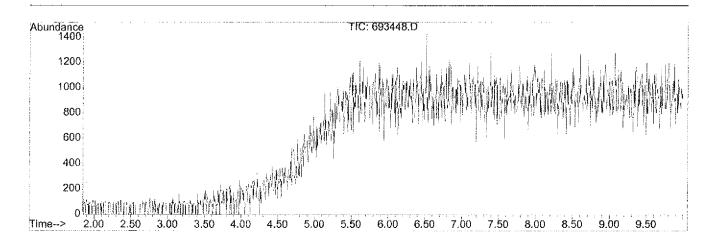
Operator : ASD

Date Acquired : 26 Jan 2010 23:02

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area & Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : F:\Q1-2010\SYSTEM4\01\_26\_10\693449.D

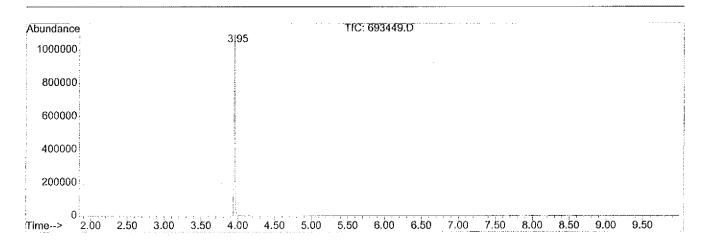
Operator : ASD

Date Acquired : 26 Jan 2010 23:15

Sample Name : COCAINE STD

Submitted by

Vial Number : 5 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.953	1039578	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 26 10\693449.D

Operator : ASD

Date Acquired : 26 Jan 2010 23:15

Sample Name : COCAINE STD

Submitted by :

Vial Number : 5 AcquisitionMeth: DRUGS Integrator : RTE

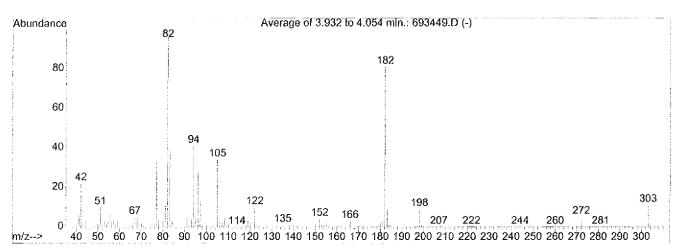
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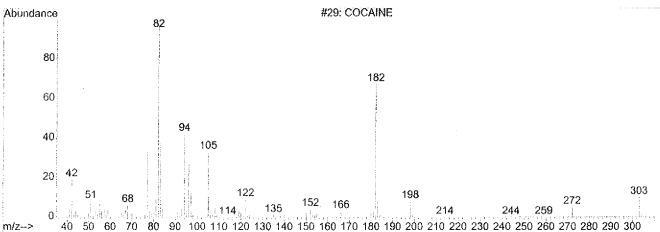
C:\DATABASE\PMW TOX2.L

C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 3.95 C:\DATABASE\SLI.L
COCAINE 000050-36-2 99





693449.D

Thu Jan 05 08:59:42 2012

Page 2

Minimum Quality: 90

: F:\Q1-2010\SYSTEM7\02 03 10\695923.D File Name

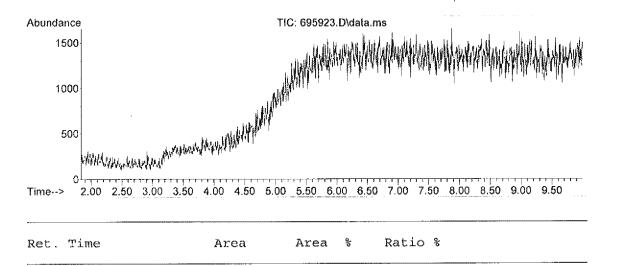
Operator : DCS

Date Acquired : 3 Feb 2010 13:06

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS.M Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

/1/5/12 PCS

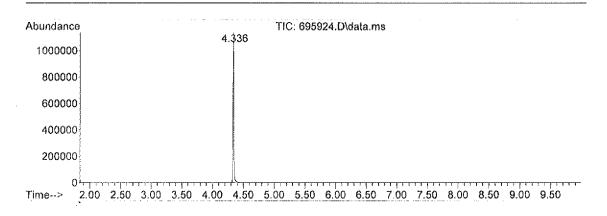
File Name : F:\Q1-2010\SYSTEM7\02\_03\_10\695924.D

Operator : DCS

Date Acquired : 3 Feb 2010 13:18 Sample Name : COCAINE STANDARD

Submitted by

Vial Number : 24 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.336	1127433	100.00	100.00

File Name : F:\Q1-2010\SYSTEM7\02\_03\_10\695924.D

Operator : DCS

Date Acquired : 3 Feb 2010 13:18 Sample Name : COCAINE STANDARD

Submitted by

Vial Number : 24 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

COCAINE

Minimum Quality: 85

000050-36-2

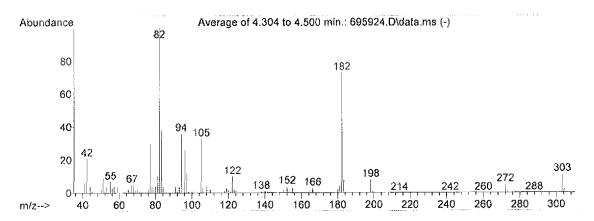
99

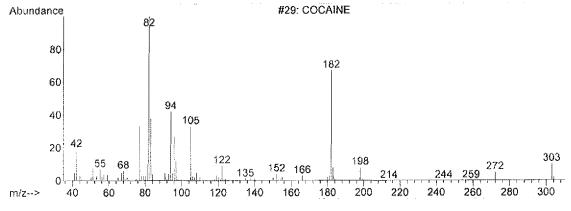
C:\Database\NIST05a.L

Minimum Quality: 85

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4 74	C.\Databage\SLT I.		



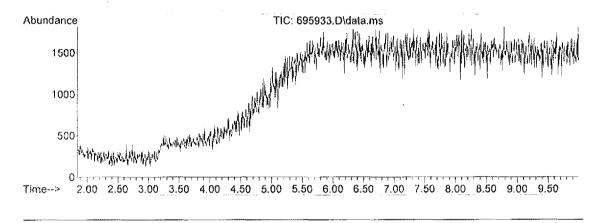


File Name : F:\Q1-2010\SYSTEM7\02\_03\_10\695933.D

Operator : DCS

Date Acquired : 3 Feb 2010 15:12

Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time

Area

Area %

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

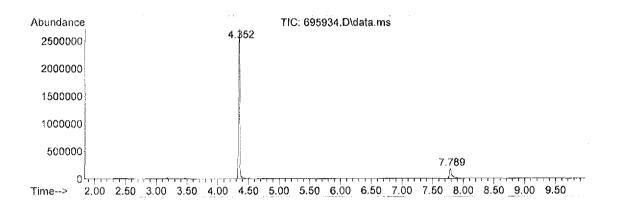
File Name : F:\Q1-2010\SYSTEM7\02\_03\_10\695934.D

: DCS Operator

Date Acquired : 3 Feb 2010 15:25

Sample Name Submitted by : ASD : 34 Vial Number AcquisitionMeth: DRUGS.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.352	3983509	88.32	100.00
7.789	526961	11.68	

File Name : F:\Q1-2010\SYSTEM7\02 03 10\695934.D

Operator : DCS

ired : 3 Feb 2010 15:25

Date Acquired : Sample Name :

: ASD

Submitted by : ASD
Vial Number : 34
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85

C:\Database\NIST05a.L

Minimum Quality: 85

C:\Database\PMW\_TOX2.L

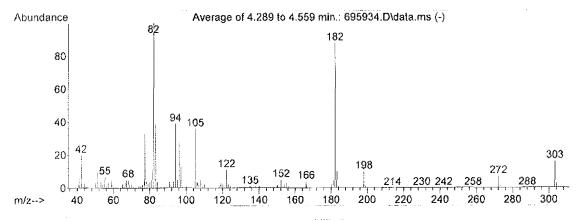
PK# RT Library/ID

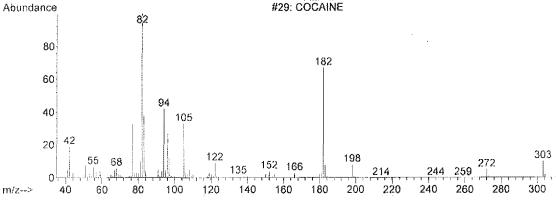
CAS# Qual

1 4.35 C:\Database\SLI.L

COCAINE

000050-36-2 99





File Name : F:\Q1-2010\SYSTEM7\02\_03\_10\695934.D

Operator : DCS

Date Acquired : 3 Feb 2010 15:25

Sample Name : Submitted by ASD

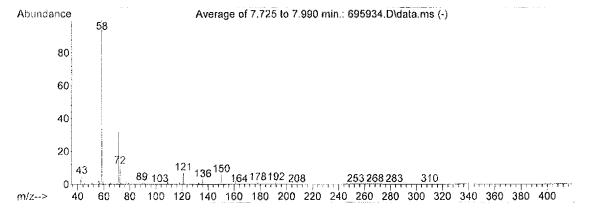
Submitted by : ASD
Vial Number : 34
AcquisitionMeth: DRUGS.M
Integrator : RTE

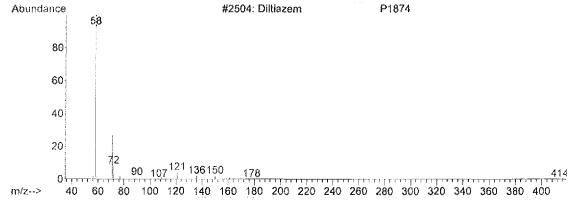
Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 85 C:\Database\NIST05a.L Minimum Quality: 85

C:\Database\PMW TOX2.L

	PK#	RT	Library/ID	CAS#	Qual
_	2	7.79	C:\Database\PMW_TOX2.L		
			Diltiazem	042399-41-7	78
			Diltiazem-M (desacetyl-)	000000-00-0	56
			Diltiazem-M (O-desmethyl-) AC	000000-00-0	50





File Name : F:\Q1-2010\SYSTEM7\02\_03\_10\695944.D

Operator : DCS

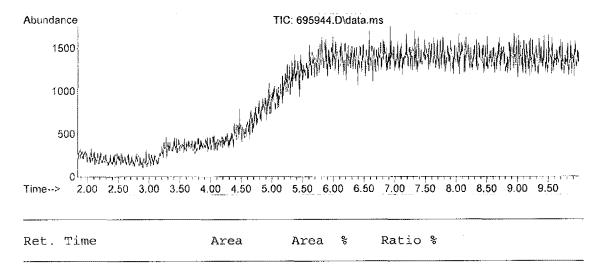
Date Acquired : 3 Feb 2010 17:31

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS.M

Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

File Name : F:\Q1-2010\SYSTEM7\02\_03\_10\695945.D

Operator

: DCS

Date Acquired : 3 Feb 2010 17:44 Sample Name : COCAINE STANDARD

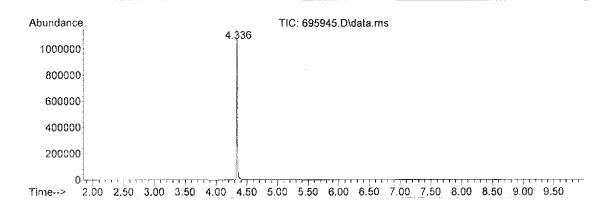
Submitted by

: Vial Number

45

AcquisitionMeth: DRUGS.M Integrator

: RTE



Ret. Time	Area	Area %	Ratio %
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File Name : F:\Q1-2010\SYSTEM7\02 03 10\695945.D

Operator : DCS

Date Acquired : 3 Feb 2010 17:44 Sample Name : COCAINE STANDARD

Submitted by :

Vial Number : 45 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

C:\Database\SLI.L Minimum Quality: 85 C:\Database\NIST05a.L Minimum Quality: 85

C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

1 4.34 C:\Database\SLI.L

COCAINE 000050-36-2

99

